LISTING OF CLAIMS

1.   (currently amended) A method for providing synchronization of audio to video comprising the steps of:

processing a video signal to generate a video output comprising at least one time stamped acoustic identification of the content of the audio associated with the video signal;

processing an audio signal to generate an audio output comprising at least one time stamped acoustic identification of the content of said audio signal; and

synchronizing the video signal to the audio signal by adjusting at least one of the signals to align at least one acoustic identification from the video signal with a corresponding acoustic identification from the audio ~~stream~~ signal.

2.   (original) The method of Claim 1 wherein said synchronizing comprises applying a Viterbi algorithm to the signals.

3.   (original) The method of Claim 1 wherein said synchronizing comprising adjusting the audio signal to cause the acoustic identification from the audio signal to be aligned with the acoustic identification of the video signal.

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4.   (original) The method of Claim 1 wherein said processing a video signal comprises the steps of:

extracting at least one image from the video signal;

detecting at least one feature in said at least one image;

analyzing the parameters of said feature; and

correlating at least one acoustic identification to the parameters of said feature.

5.   (original) The method of Claim 1 wherein each acoustic identification comprises an articulatory type.

6.   (original) The method of Claim 2 wherein each acoustic identification comprises an articulatory type.

7. (original)   The method of Claim 3 wherein each acoustic identification comprises an articulatory type.

8.   (original) The method of Claim 4 wherein each acoustic identification comprises an articulatory type and wherein said at least one feature comprises a facial feature.

9.   (original) A system for providing synchronization of audio to video comprising:

a video processing component for processing a video signal to generate a video output comprising at least one time stamped

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acoustic identification of the content of the audio associated with the video signal;

an audio processing component for processing an audio signal to generate an audio output comprising at least one time stamped acoustic identification of the content of said audio signal; and

a synchronization component comprising the video signal to the audio signal by adjusting at least one of the signals to align at least one acoustic identification from the video signal with a corresponding acoustic identification from the audio ~~stream~~ signal.

10.   (original) The system of Claim 9 wherein said video processing component comprises:

an extraction component for extracting at least one image from the video signal;

a detection component for detecting at least one feature in said at least one image; and

a processing component for analyzing the parameters of said feature and for correlating at least one acoustic identification to the parameters of said feature.

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